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**REPLY UNDER 37 CFR §1.116**  
**EXPEDITED PROCEDURE**  
**TECHNOLOGY CENTER 2800**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:  
Hung-Shun Chao, et al.

Serial No.: 10/802,268

Filed: March 17, 2004

For: SYSTEM AND METHOD FOR  
PREDICTING A PARAMETER  
FOR A LITHOGRAPHY  
OVERLAY FIRST LOT

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Attorney Docket No.  
2003-0710 / 24061.121

Customer No. 42717

Group Art Unit: 2857

Examiner: Janet L. Suglo

Confirmation No.: 4207

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Linda Ingram

**RESPONSE UNDER 37 CFR §1.116**

This Response is submitted in reply to the Office Action mailed on April 13, 2006.  
(Please see the pages that follow).